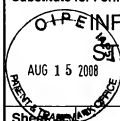


Substitute for Form 1449/PTO



## INFORMATION DISCLOSURE

## STATEMENT BY APPLICANT

(use as many sheets as necessary)

## Complete if Known

Application Number	10/528,445
Filing Date	March 18, 2005
First Named Inventor:	Chang-Hee Lee
Art Unit	2613
Examiner Name	Phan, Hanh
Attorney Docket Number	5489P073

Sheet 1 of 4

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
/HP/		us-	4,912,526	3/27/1990	Iwaoka et al.	
/HP/		us-	4,947,134	8/7/1990	Olsson	
/HP/		us-	5,408,349	4/18/1995	Tsushima et al.	
/HP/		us-	5,412,673	5/2/1995	Caprara et al.	
/HP/		us-	7,106,974 B2	9/12/2006	Lee et al.	
/HP/		us-	5,589,970	12/31/1996	Lyu et al.	
/HP/		us-	6,674,969	1/06/2004	Ogusu	
/HP/		us-	6,888,856	5/03/2005	Green et al.	
/HP/		us-	2002/0196491 A1	12/26/2002	Deng et al.	
/HP/		us-	2004/0067059 A1	4/08/2004	Song et al.	
/HP/		us-	2004/0184805 A1	9/23/2004	Shin et al.	
/HP/		us-	2004/0208208	10/21/2004	Shin et al.	
/HP/		us-	2005/0163503	7/28/2005	Lee et al.	
/HP/		us-	2005/0286895 A1	12/29/2005	Lee et al.	
/HP/		us-	2007/0081823 A1	4/12/2007	Lee et al.	

## FOREIGN PATENT DOCUMENTS

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		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
/HP/		WO	00/10271	2-24-2000	Telefonak-Tiebolaget LM Ericsson		
/HP/		WO	03/063401 A2	7-31-2003	Novera Optics, Inc.		
/HP/		WO	03/065621 A1	8-07-2003	Korea Advanced Institute of Science & Technology		
/HP/		WO	03/107057 A1	12-24-2003	Korea Advanced Institute of Science & Technology		
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				Filing Date	March 18, 2005
				First Named Inventor:	Chang-Hee Lee
				Art Unit	2613
				Examiner Name	Phan, Hanh
Sheet	2	of	4	Attorney Docket Number	5489P073

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/HP/		US-	2006/0002706 A1	1/05/2006	Lee et al.	
/HP/		US-	2003/0206740 A1	11/06/2003	Lee et al.	
/HP/		US-	2006/0263090 A1	11/23/2006	Lee et al.	
/HP/		US-	2003/0142978 A1	7/31/2003	Lee et al.	
/HP/		US-	7,327,957 B2	2/05/2008	Lee et al.	
/HP/		US-	7,349,631 B2	3/25/2008	Lee et al.	
/HP/		US-	RE. 36,471	12/28/1999	Cohen	
/HP/		US-	2007/0014509 A1	1/18/2007	Kish, JR.et al.	
/HP/		US-	6,034,799	3/07/2000	Hansen	

FOREIGN PATENT DOCUMENTS							
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/HP/		WO	2004/034621 A2	4-22-2004	Novera Optics, Inc.		
/HP/		WO	03/063401 A2	7-31-2003	Novera Optics, Inc.		
/HP/		WO	03/032547 A2	4-17-2003	Infinera Corporation		
/HP/		JP	08-163097	6-21-1996	Electron & Telecommun Res Inst.		*
/HP/		KR	1020000039036 A	7-05-2000	LG Information & Amp; Communications Ltd.		*
/HP/		KR	1020030086223 A	11-07-2003	Korea Advanced Institute of Science & Technology		*
/HP/		KR	1020030063085 A	7-28-2003	Institute Information Technology Assessment Novera Optics Korea Co. Ltd.		*
/HP/		KR	1020030065632 A	8-09-2003	Korea Advanced Institute of Science & Technology.		*

\* English abstract included, not full English translation.

Examiner Signature	/Hanh Phan/	Date Considered	08/27/2008
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Examiner Name	Phan, Hanh					
Attorney Docket Number	5489P073					
<b>Sheet</b>	<b>3</b>	<b>of</b>	<b>4</b>			
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		US-				

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
/HP/		KR 1020010063062 A	7-09-2001	Korea Advanced Institute of Science & Technology		*
/HP/		KR 10200000339646 A	6-15-2000	LG Information & Amp; Communications Ltd.		*

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Sheet	4	of	4		
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
/HP/		KIM, HYUN DEOK et al., "A Low-Cost WDM Source with an ASE Injected Fabry-Perot Semiconductor Laser," XP000968561, IEEE Photonics Technology Letters, Vol. 12, No. 8, August 2000, pp. 1067-1069.			
/HP/		PCT Notification of Transmittal of International Search Report for PCT Counterpart Application No. PCT/US03/12649 Containing International Search Report, 11 pgs. (February 6, 2004)			
/HP/		PCT Written Opinion for PCT Counterpart Application No. PCT/US03/12649, 5 pgs. (November 5, 2004)			
/HP/		MAYWEATHER, DEREK, et al., "Wavelength Tracking of a Remote WDM Router in a Passive Optical Network," XP 000624886, IEEE, Photonics Technology Letters, Vol. 8, No. 9, September 1996, 3 pages.			
/HP/		PEZESHKI, B., et al., "12 Element Multi-wavelength DFB arrays for Widely Tunable Laser Modules," ThGG71 5:30 pm, Thursday Afternoon/OFC 2002/, pages 711-712.			
/HP/		HEANUE, J., et al., "Widely Tunable Laser Module Using DFB Array and MEMs Selection with Internal Wavelength Locker," MF67 5:30 pm, VOL. 1/OFC 2003/Monday Afternoon, pages 82-83.			

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